



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0161/S, REVISION 1

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

1. Source Identification - New England Nuclear Model NER-550.
2. Source Description - The source described by this certificate is a TIG welded doubly encapsulated source constructed of Type 316L stainless steel. This source has a diameter of 0.70 cm (0.275 in) to 2.54 cm (1.0 in), and length 0.953 cm (0.375 in) to 3.81 cm (1.5 in). Minimum wall thickness of inner and outer capsules is 0.0635 cm (0.025 in), and minimum plug thickness for each capsule is 0.127 cm (0.05 in). Source construction must be in accordance with New England Nuclear Corporation Drawing No. 313-26, Revision A (attached).
3. Radioactive Contents - This neutron source consists of not more than 37 GBq (1.0 Ci) of Am-241, mixed with beryllium powder and compressed into a pellet.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires September 30, 2001.

1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

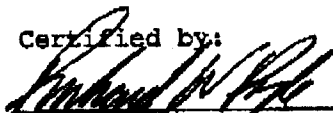
2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated June 25, 1996 submitted by Department of the Navy, NISE East, North Charleston, SC, and in consideration of other information on file in this Office.

Certified by:



Alan I. Roberts

Associate Administrator for Hazardous Materials Safety

SEP 18 1996

(DATE)

Revision 1 - Issued to include the requirements of the 1985 edition (as amended 1990) of IAEA Safety Series 6, to extend the expiration date, and to remove reference to companion sources NER-560 and NER-560-A

